

# Monthly Status Briefing



Pueblo Chemical Agent-Destruction Pilot Plant

## *September 2016*



## PCAPP

Pueblo Chemical  
Agent-Destruction Pilot Plant

[www.peoacwa.army.mil](http://www.peoacwa.army.mil)

A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION



# Project Background



The Program Executive Officer, Assembled Chemical Weapons Alternatives (ACWA), headquartered at Aberdeen Proving Ground, Maryland, is responsible for managing all aspects of the safe and environmentally sound destruction of the chemical weapons stockpiles in Colorado and Kentucky.



The Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP) will safely destroy 2,611 tons of mustard agent in mortar rounds and artillery projectiles stored at the U.S. Army Pueblo Chemical Depot (PCD).

- Neutralization followed by biotreatment is the technology selected by the Department of Defense to destroy the Pueblo chemical weapons stockpile.



The Bechtel Pueblo Team (BPT) is a partnership of Bechtel National, Inc., AECOM, Parsons, and Battelle Memorial Institute. The BPT functions as the systems contractor selected to design, build, systemize, pilot test, operate, and close PCAPP.



# Staffing



Bechtel Pueblo Team:  
**1,378**

- Pueblo County local hires: 477
- Colorado hires (outside Pueblo County): 181
- From other locations: 720



# Employment Opportunities



## Positions Currently Available:

### **AECOM**

Entry Support Area (ESA) Tender (141936BR)  
Waste Operator—Lead (141903BR)

### **Battelle**

Chemical Researcher (42840)  
Research Scientist—Monitoring QC Inspector (41881)  
Research Scientist—Operations QC Inspector (41780)  
Administrative Assistant (42360)  
Administrative Coordinator (42340)  
Finance Supervisor (40921)  
Principle Research Scientist—ICP-MS Operator (40942)

### **Bechtel**

Paramedic (177671)  
Paramedic (177674)  
Quality Assurance Nurse (175945)  
Senior Control Systems Engineer (167942)  
Nurse Practitioner/Physician Assistant (114389)

## Hotline

(719)549-4003

## Website

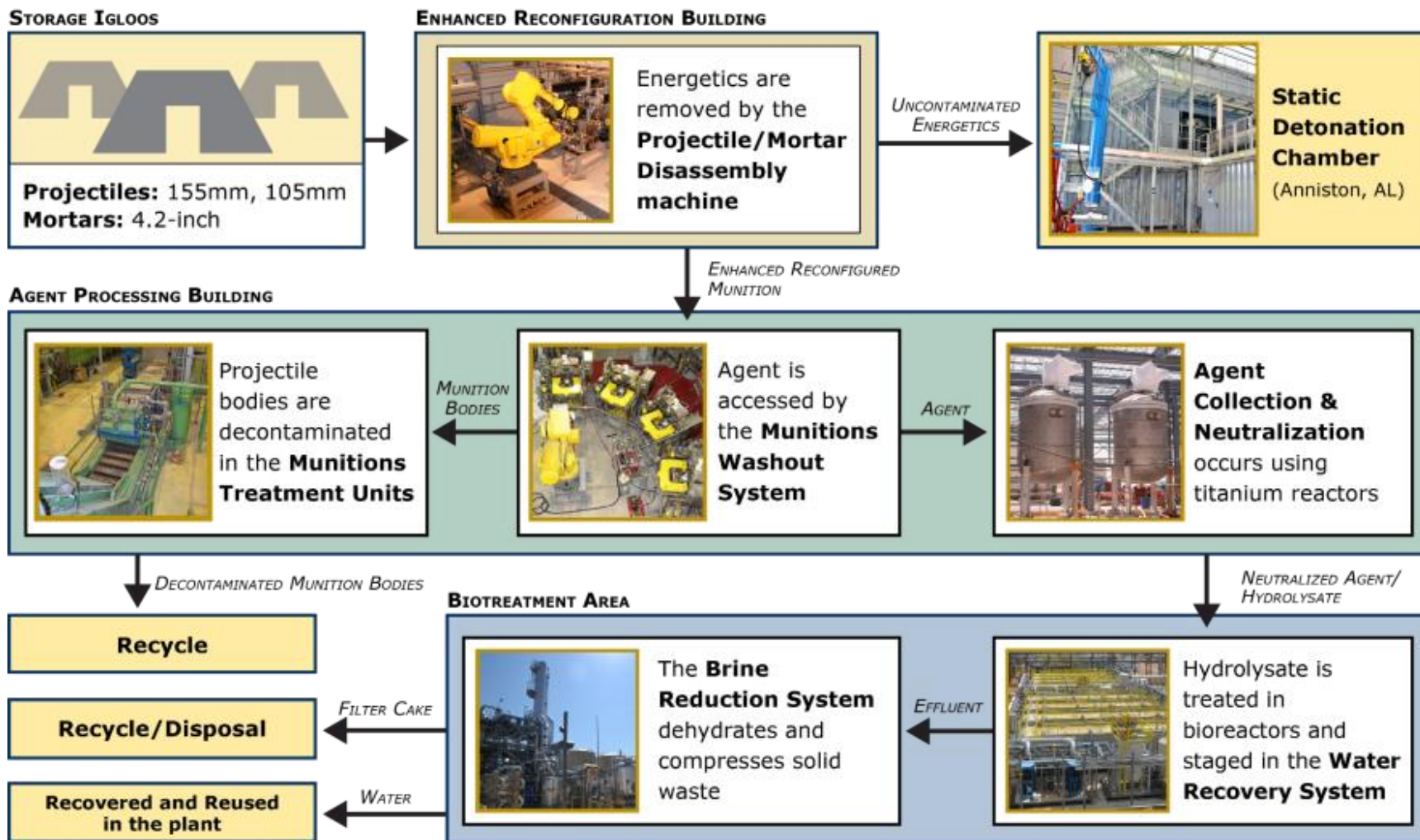
<http://pueblo.bechtel.com>



- *Star Status* granted in the Dept. of Labor's Occupational Health and Safety Administration's Voluntary Protection Plan
- Lost-workday case rate is **0.00**
- The current total recordable injury rate (TRIR) for the year to date (YTD) is **.68**, which is well below the general industry average of **3.4** and the Waste Management Industry rate of **4.7**.



# PCAPP Process





# Explosive Destruction System

As of 11 February 2016, EDS has destroyed ALL 560 problematic munitions in its first campaign



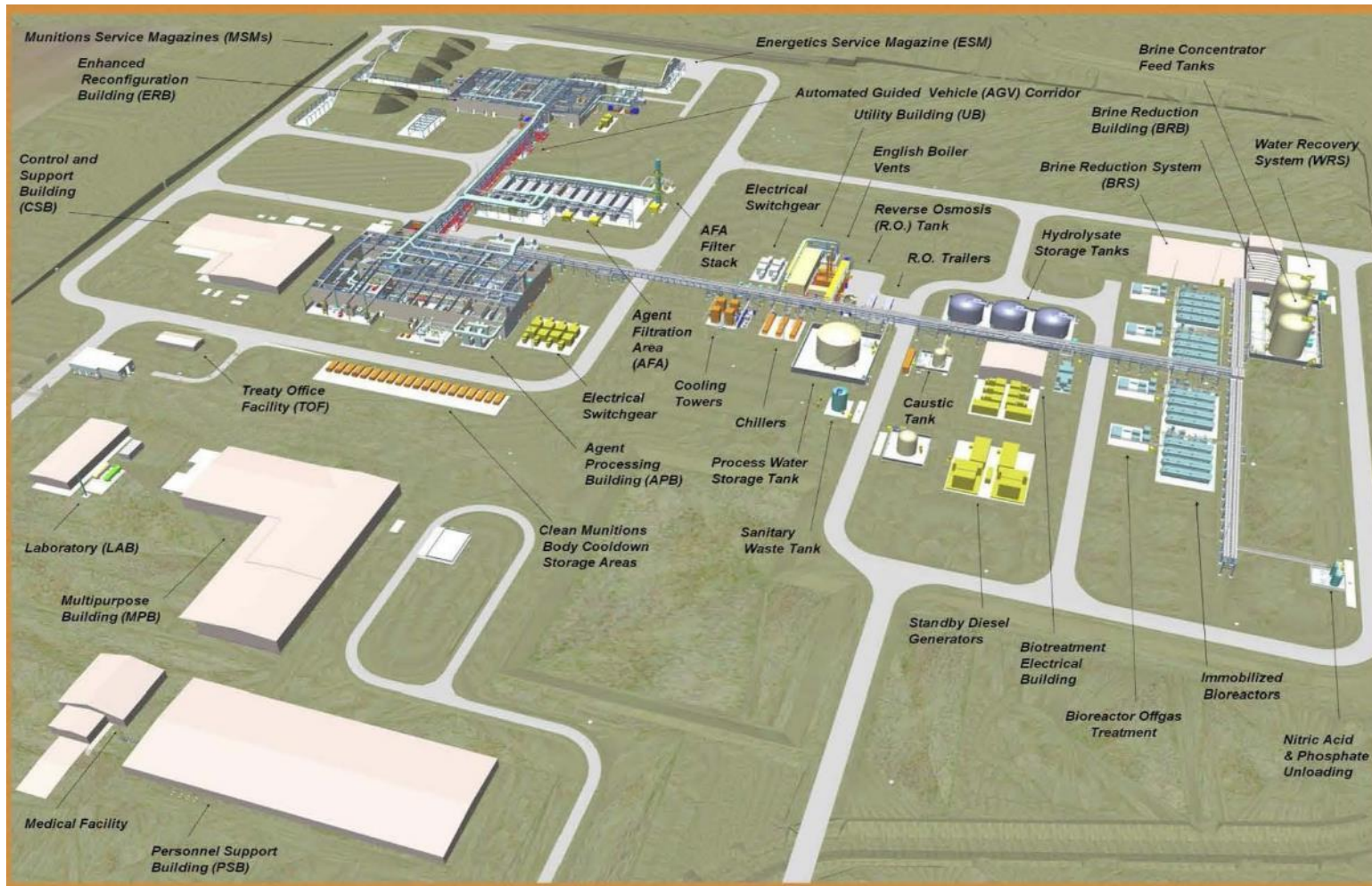
- The Army's Explosive Destruction System (EDS) is augmenting the Pueblo pilot plant's automated destruction technology
- EDS is being used to destroy problematic munitions that are unsuited for automated processing

- EDS uses explosive "cutting" charges to access the chemical agent inside a munition; neutralization chemicals are then added to destroy the chemical agent



**February 11, 2016 – Metal fragments from these 105mm projectiles is all that remains of the last mustard agent from the Pueblo stockpile to be destroyed in the EDS.**

# Pueblo Chemical Agent-Destruction Pilot Plant—Site Plan





# PCAPP Site Overview



Northwestern Corner - Observation Point

- |   |                                   |   |                                     |
|---|-----------------------------------|---|-------------------------------------|
| 1 | Enhanced Reconfiguration Building | 5 | Agent Filtration Area               |
| 2 | Automated Guided Vehicle Corridor | 6 | Munitions Service Magazine          |
| 3 | Agent Processing Building         | 7 | Control and Support Building        |
| 4 | Biotreatment Area                 | 8 | Munitions Service Magazine Corridor |

# Operations Begin



**A flag raising ceremony was held with PCAPP staff on Sept. 7 to mark the Initiation of Plant Operations. On this day, munitions were moved, transferred and processed for the first time, marking the transition from systemization to pilot testing.**

# Munitions Transfer



**U.S. Army Pueblo Chemical Depot employees (in white coveralls) transfer custody of the first 155mm projectiles from storage igloos to PCAPP ordnance technicians (in blue coveralls) to begin the journey to the Enhanced Reconfiguration Building where they will await processing.**

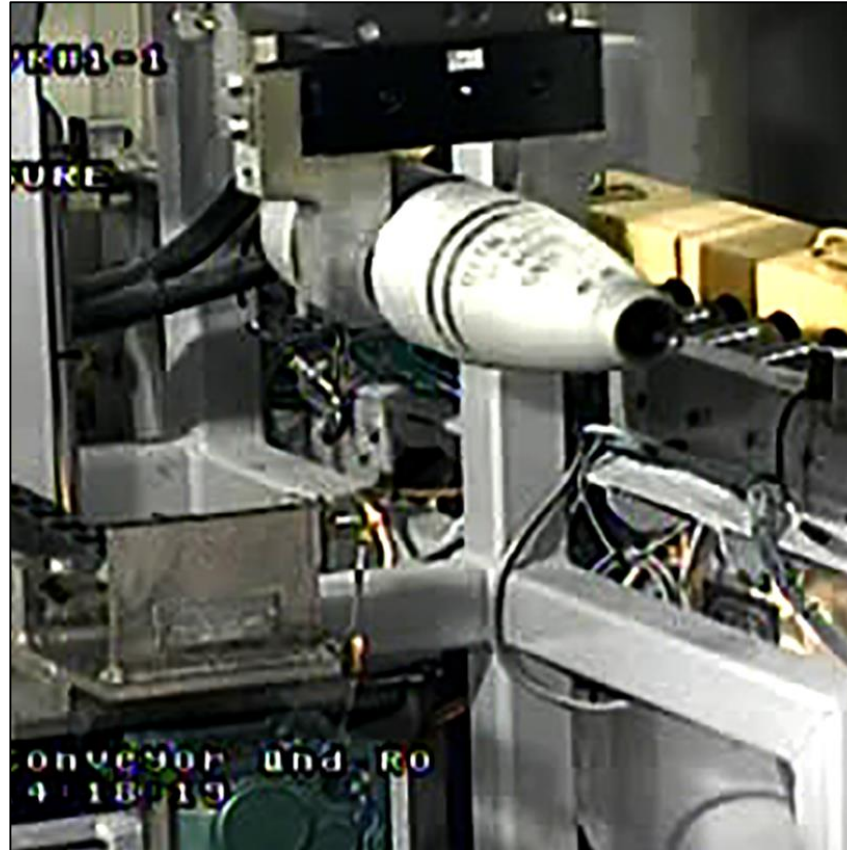


# Lending a Helping Hand



**U.S. Army Pueblo Chemical Depot employees cover 155mm projectiles with an over-packed pallet for additional protection. They will be loaded onto a Modified Ammunition Van where they will be transferred to the munitions service magazine where they will await processing.**

# First Munition to be Processed



**This photo shows the first munition, with lifting lug, fuze well cup and burster rod removed. The munition went on to have its contents of mustard agent drained and its body thermally treated to remove any residual agent.**

# Contact Information



## **Pueblo Chemical Stockpile Outreach Office**

104 West B Street  
719-546-0400

### **Ron Eccher**

Public Outreach Manager

### **Tom Schultz**

PCAPP

Public Affairs Specialist

### **Sandy Romero**

Bechtel Pueblo Team  
Communications Manager

## **U.S. Army Pueblo Chemical Depot**

45825 Highway 96 East  
719-549-4135

### **Lori Waters**

Public Affairs Officer

### **Aaron Clementi**

Public Affairs Specialist



Program Executive Office  
Assembled Chemical Weapons Alternatives

